1. (a) Work out $\dfrac{11}{12} - \dfrac{5}{6}$

....

(2)
(Total 2 marks)

2. Work out $\dfrac{2}{3} \times \dfrac{5}{6}$

Give your answer as a fraction in its simplest form.

……………………….

(Total 2 marks)

3. (a) Work out $\dfrac{2}{5} + \dfrac{3}{8}$

………………………

(2)

(b) Work out $5\frac{2}{3} - 2\frac{3}{4}$

………………………

(3)
(Total 5 marks)

4. (a) Work out $1 - \left(\dfrac{1}{2} + \dfrac{1}{6} \right)$

....

(3)

(b) Work out $12\dfrac{1}{2} \div \dfrac{5}{8}$

....

(3)
(Total 6 marks)

1. (a) $\dfrac{1}{12}$ 2

$\dfrac{11}{12} - \dfrac{10}{12}$

     M1 for correctly writing both fractions to a common denominator

     A1 for $\dfrac{1}{12}$ *oe*

              [2]

2. $\dfrac{5}{9}$ 2

$\dfrac{10}{18}$

     M1 for $\dfrac{2 \times 5}{3 \times 6}$ *or* $\dfrac{10}{18}$ *oe*

     A1 cao

              [2]

3. (a) $\dfrac{31}{40}$ 2

$\dfrac{16}{40} + \dfrac{15}{40}$

     M1 for $\dfrac{16}{40} + \dfrac{15}{40}$ *correctly writing both fractions to a common denominator.*

     A1 for $\dfrac{31}{40}$ *oe*

(b) $2\dfrac{11}{12}$ 3

$\dfrac{17}{3}-\dfrac{11}{4}$

Or 5-2 & $\dfrac{2}{3}-\dfrac{3}{4}$ oe

$\dfrac{68}{12}-\dfrac{33}{12}$ or $\dfrac{8}{12}-\dfrac{9}{12}$ oe

M1 for correctly decomposing into non mixed numbers
M1 ft for correct method to write all fractions to a common denominator

A1 for $\dfrac{35}{12}$ oe single fraction or mixed number

SC: B3 for 2.916
(B1 for 5.6 − 2.75 oe decimals)

                                                                      [5]

4.   (a) $\dfrac{1}{3}$ 3

$\dfrac{1}{2}+\dfrac{1}{6}=\dfrac{4}{6}$

$1-\dfrac{4}{6}$

M1 for correctly writing both fractions to a common denominator

A1 for $\dfrac{2}{3}$ oe

B1 ft for $1-\dfrac{"2"}{3}$

(b)   20   3

$12\dfrac{1}{2}\div\dfrac{5}{8}$

$\dfrac{25}{2}\times\dfrac{8}{5}$

M1 for $12\dfrac{1}{2}$ correctly written as an improper fraction

M1 (indep) for $\times\dfrac{8}{5}$

A1 for 20 oe

                                                                      [6]